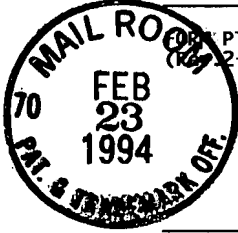


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PTO-1449 U.S. DEPARTMENT OF COMMERCE (2-2-3) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 79187.0001	SERIAL NO. 08/131,523
	APPLICANT Ludwig, et al.	
	FILING DATE October 1, 1993	GROUP F14:35

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JS</i>	4 5 1 6 1 5 6	5/7/85	Fabris, et al.	358	85	3/15/82
<i>JS</i>	4 5 2 9 8 3 9	7/16/85	Colton, et al.	179	2	10/25/83
<i>JS</i>	4 5 2 9 8 4 0	7/16/85	Colton, et al.	179	2	10/26/83
<i>JS</i>	4 5 3 1 0 2 4	7/23/85	Colton, et al.	179	2	10/25/83
<i>JS</i>	4 5 7 4 3 7 4	3/4/86	Scordo	370	62	10/25/83
<i>JS</i>	4 6 4 5 8 7 2	3/34/87	Pressman, et al.	379	54	5/6/86
<i>JS</i>	4 6 5 0 9 2 9	3/17/87	Boerger, et al.	358	86	2/28/85
<i>JS</i>	4 7 1 0 9 1 7	12/1/87	Tomkins, et al.	370	62	4/8/85
<i>JS</i>	4 8 3 7 7 9 8	6/6/89	Cohen, et al.	379	88	6/2/86
<i>JS</i>	4 9 6 1 2 1 1	10/2/90	Tsugane, et al.	379	54	6/30/88
<i>JS</i>	4 9 8 7 4 9 2	1/22/91	Stults, et al.	352	181	9/28/87

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

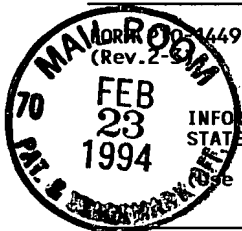
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>JS</i>	Systems Integration '90 by Peter A. Ng, C.V. Ramamoorthy, Laurence C. Seifert and Raymond T. Yeh (April 23-26, 1990)
<i>JS</i>	The American Users Forum (Niu-Forum) August 6-9, 1990)
<i>JS</i>	A Network Environment for Studying Multimedia Network Architecture and Control (1989 Globecom, by Robert Lank, Laura Pate)
<i>JS</i>	Frontiers in Computer Communications Technology, Sigcomm '87 Workshop (August 11-13, 1987)
<i>JS</i>	Spider: An Investigation in Collaborative Technologies and Their Effects on Network Performance by Roderick E. Perkins.

EXAMINER <i>D DM</i>	DATE CONSIDERED <i>7/31/91</i>
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PATENT AND TRADEMARK OFFICE
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APPLICANT
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
e	4 9 9 5 0 7 1	2/19/91	Weber, et al.	379	53	5/30/89
d	5 0 0 3 5 3 2	5/26/91	Ashida, et al.	370	62	5/31/90
d	5 0 2 7 4 0 0	6/25/91	Baji, et al.	380	20	8/16/89
f	5 0 4 2 0 6 2	8/20/91	Lee, et al.	379	54	10/23/89
n	5 0 9 9 5 1 0	3/24/92	Blinken, Jr., et al.	379	202	6/11/90
n	5 1 7 0 4 2 7	12/8/92	Guichard, et al.	379	53	2/2/90
n	5 2 0 0 9 8 9	4/6/93	Milone	379	53	5/23/89
n	5 2 0 2 9 5 7	4/13/93	Serrao	379	53	8/9/90
n	5 2 1 8 6 2 7	6/8/93	Corey, et al.	379	53	12/19/90

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					YES NO

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Statement by attorney for Applicants - Describing Product Development

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